

We claim:

- 1 1. A method for selecting a network interface, the method comprising:
2 receiving a policy specifying user preferences;
3 selecting a network interface from a plurality of network interfaces by matching the
4 user preferences to a network interface characteristic; and
5 modifying a routing table entry associated with the selected network interface.
- 1 2. The method of claim 1, wherein the routing table entry includes a metric field and
2 further wherein modifying the routing table entry includes modifying the metric field.
- 1 3. The method of claim 1, wherein modifying the routing table includes raising the
2 priority of the routing table entry associated with the selected network interface.
- 1 4. The method of claim 1, wherein modifying the routing table includes lowering the
2 priority of a routing table entry not associated with the selected network interface.
- 1 5. The method of claim 1, wherein modifying the routing table includes deleting a
2 routing table entry not associated with the selected network device.
- 1 6. The method of claim 1, wherein receiving a policy includes receiving a policy
2 specifying a network preference based on a cost of using a network communicably coupled to
3 the network interface.
- 1 7. The method of claim 1, wherein receiving a policy includes receiving a policy
2 specifying a network preference based on a battery consumption characteristic of the network
3 interface.
- 1 8. The method of claim 1, wherein receiving a policy includes receiving a policy
2 specifying a network preference based on the signal strength of the network interface.

1 17. The computerized system of claim 16, wherein the link monitor includes a wired link
2 management component.

1 18. The computerized system of claim 16, wherein the link monitor includes a wireless
2 link management component.

1 19. The computerized system of claim 16, wherein the link monitor notifies the policy
2 manager of the link status change upon insertion or deletion of a network interface.

1 20. The computerized system of claim 16, wherein the link monitor notifies the policy
2 manager of the link status change when a signal strength associated with the network interface
3 crosses a predetermined threshold value.

1 21. The computerized system of claim 16, wherein the link monitor notifies the policy
2 manager of the link status change upon a link roam.

1 22. The computerized system of claim 15, further comprising a routing table interface
2 operable to provide a set of functions to modify the routing table.

1 23. A machine-readable medium having computer executable instructions to perform a
2 method for selecting a network interface, the method comprising:
3 receiving a policy specifying user preferences;
4 selecting a network interface from a plurality of network interfaces by matching the
5 user preferences to a network interface characteristic; and
6 modifying a routing table entry associated with the selected network interface.

1 24. The machine-readable medium of claim 23, wherein the routing table entry includes a
2 metric field and further wherein modifying the routing table entry includes modifying the
3 metric field.

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1 25. The machine-readable medium of claim 23, wherein modifying the routing table
2 includes raising the priority of the routing table entry associated with the selected network
3 interface.

1 26. The machine-readable medium of claim 23, wherein modifying the routing table
2 includes lowering the priority of a routing table entry not associated with the selected network
3 interface.

1 27. The machine-readable medium of claim 23, wherein modifying the routing table
2 includes deleting a routing table entry not associated with the selected network device.

1 28. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on a cost of using a network
3 communicably coupled to the network interface.

1 29. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on a battery consumption
3 characteristic of the network interface.

1 30. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on the signal strength of the network
3 interface.

1 31. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on a latency value associated with a
3 network communicably coupled to the network interface.

1 32. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on a bandwidth associated with a
3 network communicably coupled to the network interface.

- 1 33. The machine-readable medium of claim 23, wherein receiving a policy includes
2 receiving a policy specifying a network preference based on a reliability value associated with
3 a network communicably coupled to the preferred network interface.

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